MAC 575 Krypton™

Martin®

Familiar, and yet very surprising

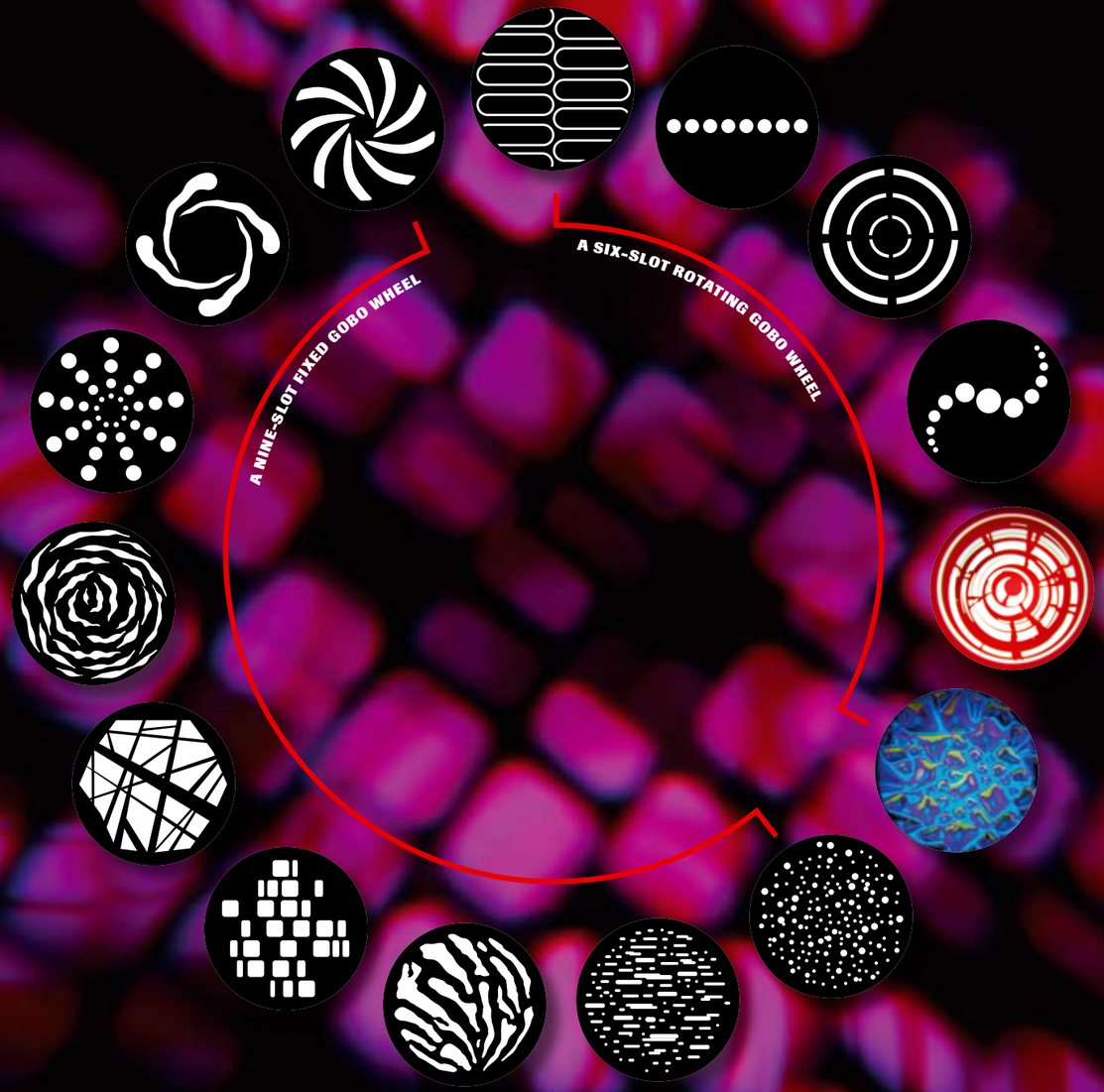
The MAC 575 Krypton is the latest in the Krypton series of luminaires that combines recognized MAC moving head quality with feature-packed modularity, offering unbeatable value for money.

Super efficient optics for brighter output, rotating and static gobos with quite incredible morphing, and a market-proven, modular design shared with other MAC luminaires make the MAC 575 Krypton perfect for tough environments.

We could say you already know the MAC 575 Krypton very well, and yet there's so much more:

- **Brighter, more efficient light – all 11,100 lumens of it**
- **Feature-rich with two gobo and two color wheels and motorized zoom**
- **Robust, market-proven construction for rugged, no-nonsense performance**
- **Modular MAC design for easy access and maintenance**

Bright, sharp and stunning



Stunning gobos and morphing

Teaming up with the dual color wheels are two gobo wheels. A six-slot rotating gobo wheel and a nine-slot fixed gobo wheel feature a set of stunning gobo designs, all replaceable. The morphing between gobos is also exceptional, with smooth and atmospheric transitions between the gobos of your choosing.

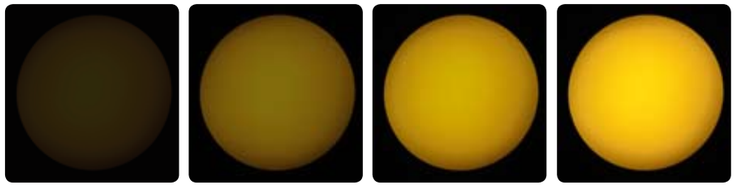
Bright and reliable light

Using a 575 watt, double-ended short arc lamp, the MAC 575 Krypton produces up to 11,100 lumens. As with other MAC luminaires, the lamp works with a highly efficient reflector and superior optical system to create a powerful beam of uniform light with even color distribution.

16 to 31 degrees

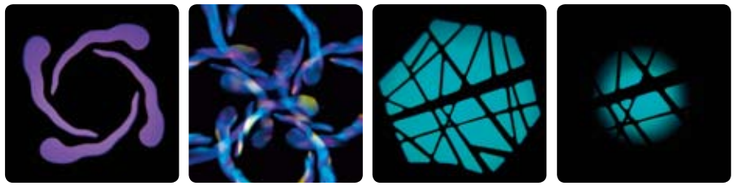
Motorized zoom and focus control

MAC 575 Krypton offers full control over the beam angle, letting you create a razor-sharp image or a de-focused background effect. The fixture zooms continuously from 16 to 31 degrees, and the variable focus system allows you to adjust the sharpness of your projection at any beam angle within this range.



From long fade to instant blackout

The MAC 575 Krypton houses a combined dimmer/shutter capable of smooth and fast intensity changes. When used as a shutter, accelerated strobe effects up to 10 Hz are possible.



Four-facet prism *Motorized iris*

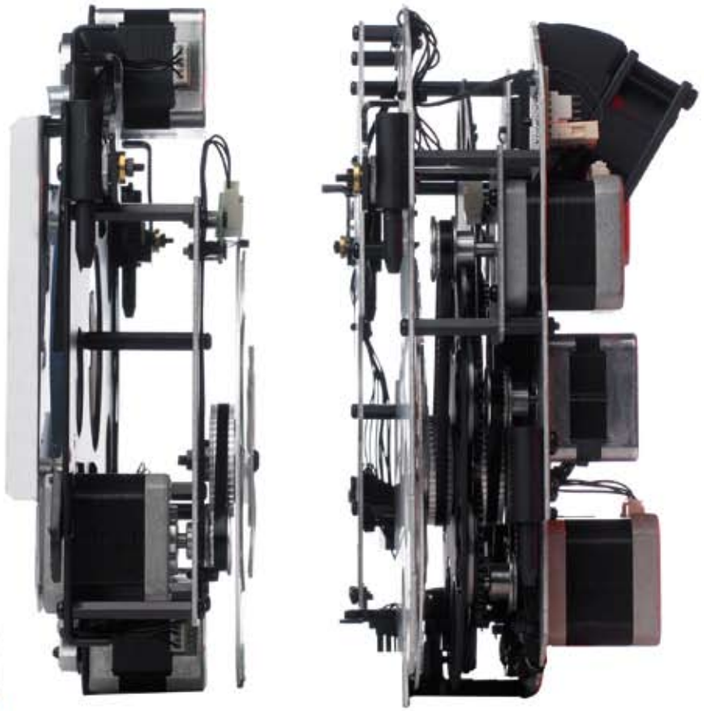
Four-facet prism and iris

An interchangeable four-facet prism rotates at variable speeds, adding unique effects to gobo projection. The motorized iris offers quick and accurate resizing of the beam and fast or pulse effects with different beam sizes.

Carefully selected colors

Choose from the carefully selected colors available from the two color wheels, both with eight positions plus open, split color options, and continuous rotation. All colors are interchangeable dichroic filters, meaning you can customize the fixture to your own particular requirements.

Tough enough



Inside the MAC 575 Krypton you'll find Martin's outstanding motors, drivers and software that ensure effortless performance in tough environments. On the outside, the modular construction means that access for service will never be a problem.

Fast and quiet movement

Rapid and precise movement through 540° of pan and 246° of tilt are achieved with noticeably less noise than comparable products on the market.

Use around the world and install easily

The MAC 575 Krypton has user-configurable voltage and frequency settings, meaning that it can be quickly adapted to electrical requirements around the world. Two pairs of quarter-turn locks allow rapid installation.

Simplifying logistics and service

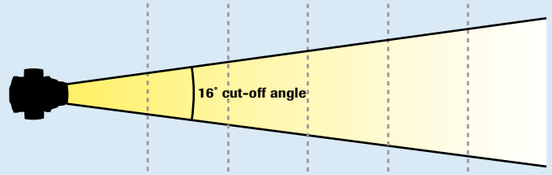
The functional and modular design offers fast and easy access to critical components, reducing the time required for maintenance and saving you money. Martin's focus on product efficiency also means standardized modules and parts, simplifying logistics and lowering stock investment.

Correction and lock

An intelligent position correction system automatically returns the fixture to its original position if knocked out of place. A multi-position tilt lock keeps the head where you want it during service and handling.

Test lamp:	**GE CSR 575/S/DE/70**
Test conditions:	230 V, 50 Hz, no effects applied
Zoom:	Minimum
Rated color temperature:	7000 K
Rated output:	40,000 lm

Zoom in minimum position

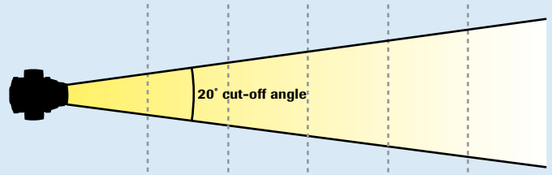


Distance	5 (m) 16 (ft)	10 (m) 33 (ft)	15 (m) 49 (ft)	20 (m) 66 (ft)	25 (m) 82 (ft)
Cut-off diameter	1.4 (m) 4.6 (ft)	2.8 (m) 9.2 (ft)	4.2 (m) 13.8 (ft)	5.6 (m) 18.4 (ft)	7.0 (m) 23.0 (ft)
Illuminance (lux)	14,600	3,650	1,622	913	584
Illuminance (fc)	1,356	339	151	85	54

Luminous intensity	**Total output**	**Efficacy**	**Efficiency**
365,000 candela	10,900 lumens	19 lumens per watt	27%

Cut-off diameter: 0.28 x distance Cut-off angle: 16 degrees

Zoom in median position

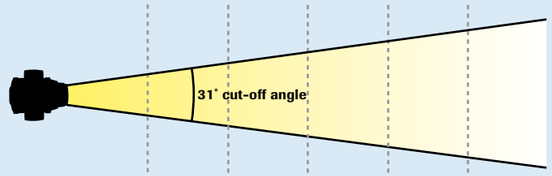


Distance	4 (m) 13 (ft)	8 (m) 26 (ft)	12 (m) 39 (ft)	16 (m) 52 (ft)	20 (m) 66 (ft)
Cut-off diameter	1.4 (m) 4.6 (ft)	2.8 (m) 9.2 (ft)	4.2 (m) 13.8 (ft)	5.6 (m) 18.4 (ft)	7.0 (m) 23.0 (ft)
Illuminance (lux)	13,563	3,391	1,507	848	543
Illuminance (fc)	1,260	315	140	79	50

Luminous intensity	**Total output**	**Efficacy**	**Efficiency**
217,000 candela	10,700 lumens	19 lumens per watt	27%

Cut-off diameter: 0.35 x distance Cut-off angle: 20 degrees

Zoom in maximum position



Distance	3 (m) 10 (ft)	6 (m) 20 (ft)	9 (m) 30 (ft)	12 (m) 39 (ft)	15 (m) 49 (ft)
Cut-off diameter	1.7 (m) 5.4 (ft)	3.3 (m) 10.8 (ft)	5.0 (m) 16.2 (ft)	6.6 (m) 21.7 (ft)	8.3 (m) 27.1 (ft)
Illuminance (lux)	11,556	2,889	1,284	722	462
Illuminance (fc)	1,074	268	119	67	43

Luminous intensity	**Total output**	**Efficacy**	**Efficiency**
104,000 candela	11,100 lumens	19 lumens per watt	28%

Cut-off diameter: 0.55 x distance Cut-off angle: 31 degrees

Specifications

PHYSICAL

Length:	450 mm (17.7 in.)
Width:	365 mm (14.4 in.)
Height:	636 mm (25.0 in.), head straight up
Weight:	37.8 kg (83.3 lbs.)

LAMP

Type:	575 W short-arc discharge
Fitted as standard:	GE CSR 575/S/DE/70
Color temperature:	7000 K
CRI (Color rendering index):	>65
Average lifetime:	750 hours
Hot restrike:	No
Socket:	Double-ended SFc 10-4 with key
Ballast:	Magnetic

DYNAMIC EFFECTS

Color wheel 1:	8 interchangeable dichroic filters + open, full and split colors, continuous rotation, random color
Color wheel 2:	8 interchangeable dichroic filters + open, full and split colors, continuous rotation, random color
Rotating gobo wheel:	6 interchangeable gobos + open, indexing, continuous gobo rotation & scrolling, shake
Static gobo wheel:	9 interchangeable gobos + open, indexing, continuous rotation, random gobo
Prism:	Interchangeable 4-facet rotating prism
Iris:	0 - 100%, pulse effects
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Focus:	2 m (6.6 ft.) to infinity
Zoom:	16° - 31° (cut-off angle)
Pan:	540°
Tilt:	246°

CONTROL AND PROGRAMMING

DMX channels:	19/25
Setting and addressing:	Control panel with LED display
16-bit control:	Dimmer, color wheels 1 & 2, rotating gobo indexing, iris, focus, zoom, pan & tilt
Movement control options:	Tracking and vector
Protocol:	USITT DMX512/1990
Receiver:	Opto-isolated RS-485
Firmware update:	Serial upload via DMX link

CONSTRUCTION

Color(s):	Black or white
Housing:	UV-resistant fiber-reinforced composite
Reflector:	Glass, cold light
Protection rating:	IP20

GOBOS

Outside diameter:	27.9 mm (1.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter:	23 mm (0.9 in.)
Maximum thickness:	1.1 mm (0.04 in.) in static slots, 4 mm (0.2 in.) in rotating slots
Recommended glass:	High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal:	0.5 mm (0.02 in.) aluminum

INSTALLATION

Mounting points:	2 pairs of 1/4-turn locks
Orientation:	Any
Minimum distance to illuminated surfaces:	1.2 m (3.9 ft.)
Minimum distance to combustible materials:	0.5 m (1.6 ft.)

CONNECTIONS

AC power input:	3 m (9.8 ft.) integral cable without power plug
DMX data in/out:	3-pin and 5-pin locking XLR

ELECTRICAL

AC power:	200-240 V nominal, 50/60 Hz
User-reconfigurable voltage and frequency settings	
Main fuse:	10 AT (slow blow)

THERMAL

Cooling:	Filtered forced air (temperature-regulated)
Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C (104° F):	160° C (320° F)
Total heat dissipation (calculated, +/- 10% at 230 V, 50 Hz):	2800 BTU/hr.

APPROVALS

EU safety:	EN 60598-1, EN 60598-2-17
EU EMC:	EN 55 015, EN 55 103-1, EN 61 547
US safety:	ANSI/UL 1573
Canadian safety:	CSA C22.2 No. 166

INCLUDED ITEMS

GE CSR 575/S/DE/70 lamp (installed):	P/N 97010230
Two Omega clamp attachment brackets with 1/4-turn fasteners:	P/N 91602001
User manual:	P/N 35000206

ACCESSORIES

G-clamp:	P/N 91602003
Half-coupler clamp:	P/N 91602005
Omega bracket:	P/N 91602001
Quick trigger clamp:	P/N 91602007
Safety wire, universal, 50 kg (110.2 lbs.) safe work load:	P/N 91604003
Double flightcase, MAC 550, MAC 575, MAC 700:	P/N 91510020

ORDERING INFORMATION

MAC 575 Krypton, black, in cardboard box:	P/N 90216000
MAC 575 Krypton, white, in cardboard box:	P/N 90216030

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Specifications are subject to change without notice

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